Joint Precision Approach And Landing System (JPALS)

JPALS Program Overview

21 July 2004

CAPT Pete Riester, USN
PM for PMA213

JPALS Introduction

- A Joint Program; potential ACAT ID
- Milestone Decision Authority (MDA) will be Mr. Wynne (USD AT&L)
- JPALS management organization, relationships and responsibilities will be codified in a Tri-Service MOA (in progress)
- Navy assumes Lead Service from the Air Force by Milestone B (April 06)
- SDD contract and acquisition will be executed in the Navy/NAVAIR environment

Lead Service

- Lead Service Presently USAF
- Navy assumes Lead Service by Milestone B (April 06).
  - Navy has significant drivers and greater funding commitment during SDD (CVN 21, J-UCAS, JSF) and may pursue expansion of the Navy Aircraft and Ship market during upcoming POMs
- A distributed management approach will maintain Program Management Offices at:
  - PMA213, COMNAVAIRSYSCOM, Webster Field, Pax River (Joint Program Management HQ Office/US Navy)
  - ESC/GAL, Air Force Electronic Systems Command, Hanscom AFB (USAF)
  - US Army, Redstone Arsenal, Huntsville, AL

Service Commitment

- Navy and Air Force plan to fund the RDT&E effort for the JPALS SDD contract
- Each Service will procure and integrate JPALS into their platforms in accordance with Service priorities and requirements

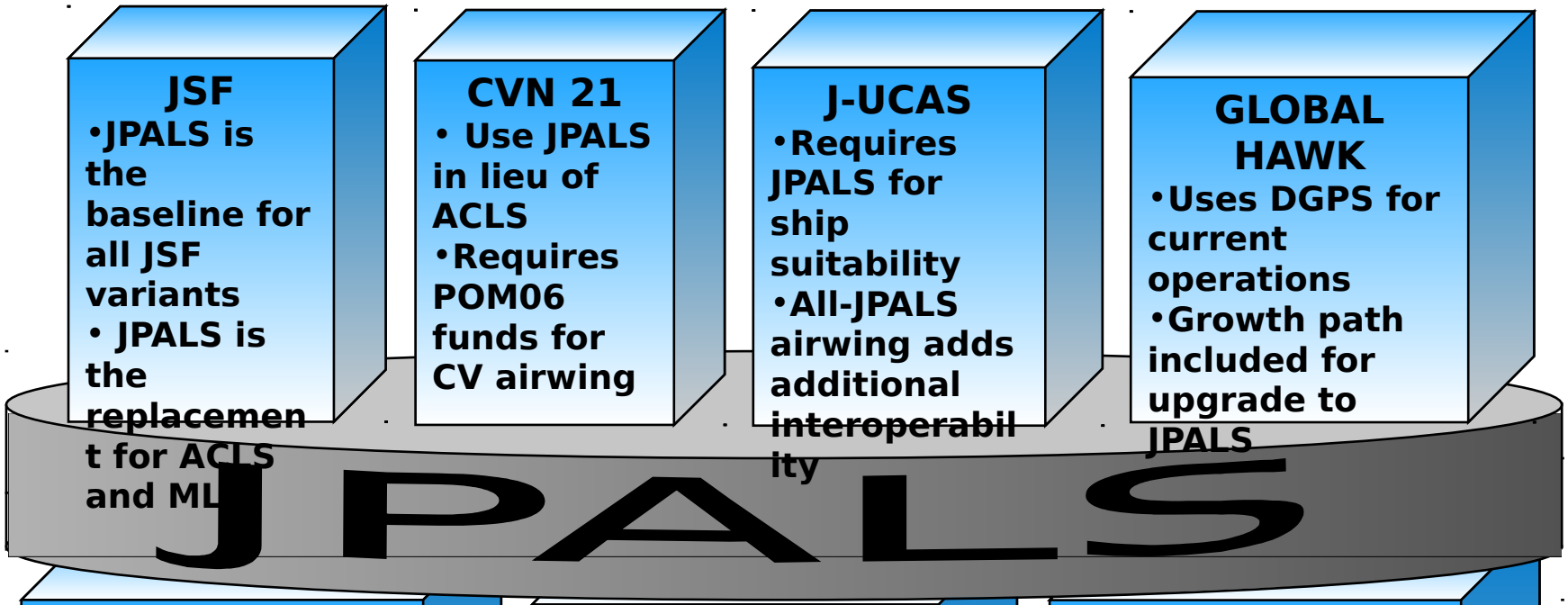
Why We're Here

- Familiarize Industry with JPALS Requirements and Plans
- Initiate Government and industry **PARTNERSHIPS**
- Initiate Industry **TEAMING** Relationships
- **SHARE** Ideas and Industry Best Practices Developing the JPALS Acquisition
- Take Advantage of our Ability to Communicate Openly
- We need your **HELP**

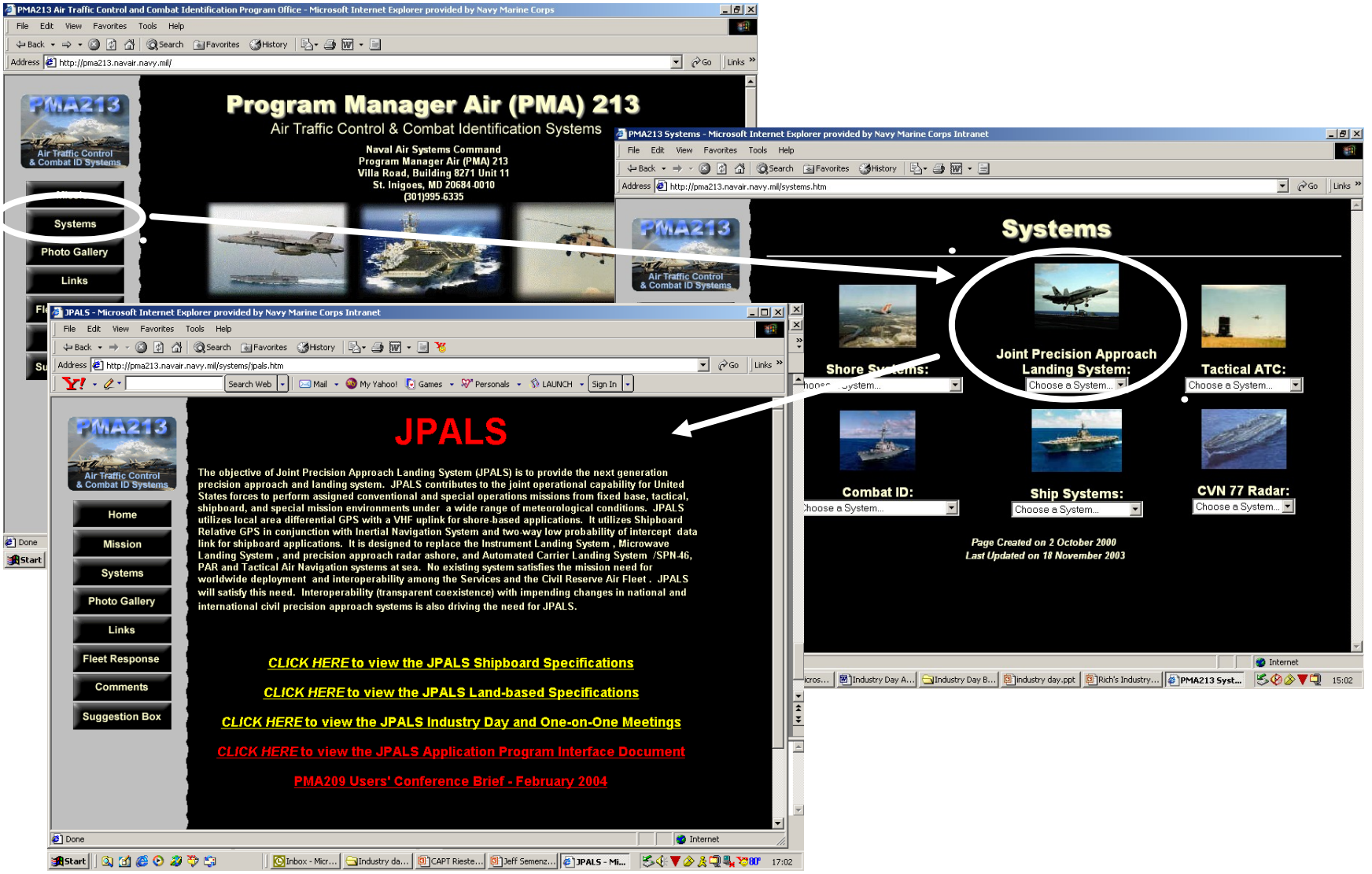
Industry Involvement

- We need your assistance
  - To identify the and implement the best technical solutions
  - To apply best commercial practices
  - To implement innovative management structures
  - To leverage quality processes
  - To minimize risk and maximize benefit to the warfighter
  - To deliver on time and within budget

JPALS Inter-Dependencies


JSF
•JPALS is the baseline for all JSF variants
• JPALS is the replacement for ACLS and ML
CVN 21
• Use JPALS in lieu of ACLS
•Requires POM06 funds for CV airwing
J-UCAS
•Requires JPALS for ship suitability
•All-JPALS airwing adds additional interoperability
GLOBAL HAWK
•Uses DGPS for current operations
•Growth path included for upgrade to JPALS
JPALS
GPS
•Synchronization with modernization upgrades saves $
•Synch with NAVWAR AJ improvements
CNS/ATM
•Synchronization with some CNS/ATM integrations saves $
•CNS/ATM integrations can use JPALS data
Modified ARC-210 Radios and/or JTRS
•JPALS Data Link
•JTRS incorporate JPALS waveform
•Save $ for JSF

http://PMA213.NAVAIR.NAVY.MIL


PMA213 Air Traffic Control and Combat Identification Program Office - Microsoft Internet Explorer provided by Navy Marine Corps
http://pma213.navair.navy.mil/
Program Manager Air (PMA) 213
Air Traffic Control & Combat Identification Systems
Naval Air Systems Command
Program Manager Air (PMA) 213
Villa Road, Building 8271 Unit 11
St. Inigoes, MD 20684-0010
(301)995-6335
Systems
Photo Gallery
Links
PMA213 Systems - Microsoft Internet Explorer provided by Navy Marine Corps Intranet
http://pma213.navair.navy.mil/systems.htm
Systems
Joint Precision Approach Landing System:
Tactical ATC:
Combat ID:
Ship Systems:
CVN 77 Radar:
Choose a System...
Page Created on 2 October 2000
Last Updated on 18 November 2003
JPALS - Microsoft Internet Explorer provided by Navy Marine Corps Intranet
http://pma213.navair.navy.mil/systems/jpals.htm
JPALS
The objective of Joint Precision Approach Landing System (JPALS) is to provide the next generation precision approach and landing system. JPALS contributes to the joint operational capability for United States forces to perform assigned conventional and special operations missions from fixed base, tactical, shipboard, and special mission environments under a wide range of meteorological conditions. JPALS utilizes local area differential GPS with a VHF uplink for shore-based applications. It utilizes Shipboard Relative GPS in conjunction with Inertial Navigation System and two-way low probability of intercept data link for shipboard applications. It is designed to replace the Instrument Landing System , Microwave Landing System , and precision approach radar ashore, and Automated Carrier Landing System /SPN-46, PAR and Tactical Air Navigation systems at sea. No existing system satisfies the mission need for worldwide deployment and interoperability among the Services and the Civil Reserve Air Fleet . JPALS will satisfy this need. Interoperability (transparent coexistence) with impending changes in national and international civil precision approach systems is also driving the need for JPALS.
Home
Mission
Systems
Photo Gallery
Links
Fleet Response
Comments
Suggestion Box
CLICK HERE to view the JPALS Shipboard Specifications
CLICK HERE to view the JPALS Land-based Specifications
CLICK HERE to view the JPALS Industry Day and One-on-One Meetings
CLICK HERE to view the JPALS Application Program Interface Document
PMA209 Users' Conference Brief - February 2004